

Docket No. 278224US3X PCT

MAIL STOP PCT  
1223 Rec'd PCT/PTO 30 DEC 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF: Hiromi MATSUMURA, et al.

SERIAL NO: 10/551,672 ✓

GAU:

FILED: September 30, 2005

EXAMINER:

FOR: SPUTTERING TARGET AND METHOD FOR PREPARATION THEREOF

INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.97

COMMISSIONER FOR PATENTS  
ALEXANDRIA, VIRGINIA 22313

SIR:

Applicant(s) wish to disclose the following information.

REFERENCES

- ☒ The applicant(s) wish to make of record the references cited in the International Search Report and listed on the attached form PTO-1449. Copies of the listed references are attached, where required, as are either statements of relevancy or any readily available English translations of pertinent portions of any non-English language references.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

RELATED CASES

- ☐ Attached is a list of applicant's pending application(s), published application(s) or issued patent(s) which may be related to the present application. In accordance with the waiver of 37 CFR 1.98 dated September 21, 2004, copies of the cited pending applications are not provided. Cited published and/or issued patents, if any, are listed on the attached PTO form 1449.
- ☐ A check or credit card payment form is attached in the amount required under 37 CFR §1.17(p).

CERTIFICATION

- ☐ Each item of information contained in this information disclosure statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.
- ☐ No item of information contained in this information disclosure statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned, having made reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this statement.

DEPOSIT ACCOUNT

- ☒ Please charge any additional fees for the papers being filed herewith and for which no check or credit card payment is enclosed herewith, or credit any overpayment to deposit account number 15-0030. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

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Form PTO 1449  
(Modified)U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.  
278224US3X PCTSERIAL NO.  
10/551,672

## LIST OF REFERENCES CITED BY APPLICANT

APPLICANT  
Hiromi MATSUMURA, et al.FILING DATE  
September 30, 2005

GROUP

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
	AL						
	AM						

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AN	07-062528	03/07/95	JP		NO
	AO	11-061393	03/05/99	JP		NO
	AP	04-333565	11/20/92	JP		NO
	AQ	11-010363	01/19/99	JP		NO
	AR	2003-025078	01/28/03	JP		NO
	AS	11-315373	11/16/99	JP		NO
	AT	09-508073	08/19/97	JP (equivalent of US5813592)		NO
	AU	07-505090	06/08/95	JP (equivalent of US5460317)		NO
	AV	2002-248584	09/03/02	JP		NO

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

	AW	LIU. G. et al., Microstructural Aspects of the Friction-stir Welding of 6061-T6 Aluminum, Scripta Materialia, Vol. 37, No.3, Pages 355 to 361, 1997				
	AX	RHODES C.G. et al, Effects of Friction Stir Welding on Microstructure of 7075 Aluminum, Scripta Materialia, Vol. 36, No.1, Pages 69 to 75, 1997				
	AY	OKAMURA Hisanori et al., Behavior of Oxide during Friction Stir Welding of Aluminum Alloy and Its Influence on Mechanical Properties, Quarterly Journal of the Japan Welding Society, Vol. 19, No. 3, Pages 446 to 456, 2001(with English abstract)				
	AZ	OKAMOTO Kazutaka et al., FSW having an increasing number of applications, Welding Technology, Vol.50, No.6, Pages 68 to 72, 2002				<input type="checkbox"/> Additional References sheet(s) attached

Examiner

Date Considered

\*Examiner: Initial if reference is considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

U.S. PCT Application Serial No.10/551,672  
Docket No. 278224US3XPCT

### STATEMENT OF RELEVANCY

1) References AN – AX have been cited in the International Search Report. Copies of these references are being submitted herewith only when not automatically provided by the International Searching Authority.

2) References \_\_\_\_\_ have been cited in the corresponding \_\_\_\_\_ Search Report. A copy of these references is being submitted herewith.

3) References AY & AZ are discussed in the specification. A copy of these references is being submitted herewith.

4) References \_\_\_\_\_ are additional prior art known to Applicant. A copy of these references is being submitted herewith.